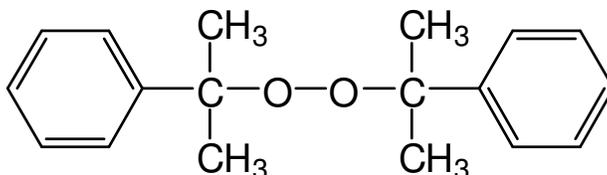


## DCUP

Dicumylperoxide  
CAS#80-43-3  
Powder, technical pure  
Molar mass: 270.4 g/mol

### Structural Formula



### Description

White or yellowish powder, consisting of technically pure Dicumylperoxide. This diaralkylperoxide is used as an initiator (radical source) in the polymerisation of monomers, eg. styrene and as a synergetic co-agent for flame retardants in expandable polystyrene (EPS).

### Technical Data

Appearance	nearly white cristal powder
Peroxid Content	approx. 99.5 % w/w
Active oxygen	approx. 5.89 % w/w
De-sensitising agent	none
Solubility	soluble in acetone, aromatic solvents, alcohols, esters
Melting point	38-40 °C
Critical temperature (SADT)	approx. 80 °C
Bulk density	approx. 0.63 kg/l
Recommended storage temperature	below 30 °C
Storage stability as from date of delivery	12 months

This product is in compliance with the ElektroG (E U-Directives: RoHS 2002/95/EG, WEEE 2002/96/EG)

### Half-life-time

10 h/1 h/1 min (0.1 m/benzene): 116/136/177 °C

## Application

### POLYMERISATION:

Initiator for the polymerisation of styrene and possibly other monomers in mass or solution. Temperature range: 130-170 °C.  
Usage level: 0.01-0.1 %w/w as supplied.

### FLAME RETARDANT SYNERGIST:

Synergetic co-agent in combination with halogene based flame retardants for flame retardant EPS (expandable polystyrene).  
Usage level: 0.1-0.5 %w/w as supplied.

## Standard Packaging

4 x 5 kg polyethylene bags in cardboard

## Disclaimer

This information and all further technical advice are reflecting our present knowledge and experience based on internal tests with local raw materials with the purpose to inform about our products and applications. The information should not be construed as guaranteeing specific properties of products described or their suitability for a particular application, nor as providing complete instructions for use. The information implies no guarantee for product and shelf life properties, nor any liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. We reserve the right to make any changes according to technological progress or further developments.

Application and usage of our products based on our technical advice is out of our control and sole responsibility of the user. The user is not released from the obligation to conduct careful inspection and testing of incoming goods in order to verify the suitability for the intended application.

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